

REPORT OF CHANNEL CONDITIONS (FOR CHANNELS 400 FEET WIDE OR GREATER) (ER 1130-2-316)					Page 1 of 3			
					August 2002			
TO: Executive Director, Port Authority Commonwealth of Puerto Rico, San Juan, Puerto Rico			FROM: USACE, District Engineer Attn: CESAJ-CO-OM Jacksonville, Florida					
RIVER/HARBOR NAME AND STATE San Juan Harbor, Puerto Rico			MINIMUM DEPTHS IN EACH 1/4 WIDTH OF CHANNEL ENTERING FROM SEAWARD					
NAME OF CHANNEL	Date of Survey	AUTHORIZED PROJECT			Left Outside Quarter (feet)	Left Inside Quarter (feet)	Right Inside Quarter (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)				

Bar Channel, Cut-1: from 1,900 feet (0.3 nm) seaward to 1,000 feet (0.16 nm) seaward of red Buoy-2.	Jul-2002	800	0.17	56	60.5	59.9	59.0	57.4
Bar Channel, Cut-2: from 1,000 feet (0.16 nm) seaward of red Buoy-2 southerly to red Buoy-4.	Jul-2002	800	0.4	51	53.3	54.0	53.6	53.9
Bar Channel, Cut-3: from red Buoy-4 to red Buoy-6.	Jul-2002	800-928	0.12	49	53.3	53.4	52.9	51.8
Bar Channel, Cut-4 & 5: from red Buoy-6 to red Buoy-8.	Jul-2002	928-950	0.22	46	48.1	48.4	48.4	47.8
Bar Channel, Cut-6: from red Buoy-8 to green Buoy-9.	Jul-2002	950-800	0.15	40	42.7	42.8	43.1	42.3
Anegado Channel: from green Buoy-9 to 700 feet southeast of red Buoy-14.	Jul-2002	800	1.4	40	41.3	42.6	42.2	41.6
Anchorage Area-F: from 150 feet southeast of red Buoy-10 to red Buoy-14.	Jul-2002	0-1150	0.9	30	29.2 (1)	28.5 (1)	26.1 (1)	22.6 (1)
Army Terminal Channel: from opposite red Buoy-14 to green Buoy-7.	Jul-2002	350	1	40	39.1 (2)	42.2	42.1	42.2
Anegado/Army Terminal Channel Widener: from opposite red Buoy-14 to 500 feet south of red Buoy-2.	Jul-2002	0-360	0.3	40	*	*	*	43.0
Sabana Approach Channel: from 1,000 feet south of red Buoy-4 to 1,800 feet south of red Buoy-6.	Jul-2002	400	0.47	32	32.4	32.5	33.2	32.6
Army Terminal Turning Basin: from green Buoy-7 south to terminus.	Jul-2002	350-2230	0.47	40	40.6	40.6	41.9	40.9
Puerto Nuevo Channel: from approx. 950 feet west of green Buoy-1 to green Buoy-5.	Jul-2002	350	1.2	39	38.8	40.4	39.9	39.3
Widener at Army Terminal Channel/Puerto Nuevo Channel: from green Buoy-9 to 300 feet west of green Buoy-1.	Jul-2002	0-400	0.2	39	32.9 (3)	*	*	*

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NAME OF CHANNEL	Date of Survey	AUTHORIZED PROJECT			Left Outside Quarter (feet)	Left Inside Quarter (feet)	Right Inside Quarter (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)				
Puerto Nuevo Turning Basin: from green Buoy-5 to 800 feet north of red Buoy-4.	Jul-2002	1065	0.33	39	37.7 (4)	38.7 (4)	38.6 (4)	37.4 (4)
Deep Draft Anchorage-E: from green Buoy-13 to green Buoy-1	Jul-2002	0-1525	0.6	36	26.4 (5)	29.0 (5)	30.2 (5)	32.4 (5)
Graving Dock Channel: from approx. 800 feet west of red/green Buoy-A east to red Buoy-4.	Jul-2002	350-915	1.3	36	34.8 (6)	37.1	38.4	33.9 (7)
Graving Dock Turning Basin: from green Buoy-3 east to terminus.	Jul-2002	0-1300	0.5	30	28.5 (8)	27.5 (8)	26.6 (8)	25.8 (8)
Widener at Army Terminal Channel/Graving Dock Channel: from green/red Buoy-A to 400 feet south of green Buoy-3.	Jul-2002	0-640	0.2	40	42.9	*	*	*
Widener at Anegado Channel/San Antonio Approach (north side): from green Buoy-11, 1,700 feet east.	Jul-2002	0-700	0.33	35	35.0	*	*	*
Widener at Anegado Channel/San Antonio Approach (south side).	Jul-2002	0-636	0.2	35	*	*	*	38.0
San Antonio Approach Channel: from north limit of Anegado Channel to south limit of San Antonio Channel	Jul-2002	600-960	0.6	35	35.7	35.7	37.1	34.8
Cruise Ship Basin West: from green Buoy-11 to 1,200 feet east of cruise ship dock.	Jul-2002	0-1600	0.6	30	20.2 (9)	29.9	33.7	34.6
Cruise Ship Basin East: from green Buoy-13 to north bulkhead	Jul-2002	0-1140	0.6	30	22.7 (10)	23.3 (10)	26.6 (10)	30.8
San Antonio Channel: from approach and cruise ship basin east for 3,700 feet.	Jul-2002	500-900	0.7	30	28.8 (11)	33.5	36.2	32.0

Remarks:

1. Shoaling throughout southwest corner of anchorage.
2. Slight shoaling along east edge of channel opposite red Buoy-6.
3. Shoaling along northern side of widener. Least depth occurs approx. 25-feet inside north edge.
4. Spot shoaling throughout northern end and eastern side of turning basin.

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5. Shoaling throughout northern and eastern sides of anchorage area.
6. Slight shoaling along northern edge of channel at turning basin.
7. Shoaling along southern edge of channel, from red Buoy-4 extending west.
8. Shoaling throughout turning basin. Least depths occur along east edge of basin.
9. Shoaling in the north side of the basin, extending up to 250 feet into basin.
10. Shoaling along the southeast limit of basin, extending up to 250 feet into basin.
11. Spot shoaling along northern edge of channel toward west end.